

Attorney Docket No.: AM-6051.P1 (1630-102)

By Facsimile to: (571) 273-8300

IN THE SPECIFICATION:

Please replace Paragraph [0020] at Page 6, lines 5-10 with the following corrected, rewritten paragraph.

--[0020] In order for diffusion bonding to be most effective, the metal surfaces that are to be bonded must have an average surface roughness within the range of about 0.1 microinches Ra to about 30 microinches Ra maximum prior to diffusion bonding. Typically, the metal surfaces to be bonded have a surface roughness within the range of about 0.5 microinches Ra to about 10 microinches Ra maximum. We have found that diffusion bonding works quite well when the metal surfaces have a surface roughness within the range of about 1.5 microinches Ra to about 3.0 microinches Ra maximum.--

Please replace Paragraph [0075] at Page 19, lines 2-7 with the following corrected, rewritten paragraph.

--[0075] In order for diffusion bonding to be effective, the metal surfaces that are to be bonded must have a surface roughness within the range of about 0.5 microinches Ra to about 30 microinches Ra prior to diffusion bonding. Typically, the metal surfaces have a surface roughness within the range of about 0.5 microinches Ra to about 10 microinches Ra; more typically, within the range of about 1.5 microinches Ra to about 5 microinches Ra. We have found that diffusion bonding works quite well when the metal surfaces have a surface roughness within the range of about 1.5 microinches Ra to about 3.0 microinches Ra.--

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Please replace Paragraph [0104] at Page 30, lines 14-20 with the following corrected, rewritten paragraph.

--[0104] In general, in order for diffusion bonding to be most effective, the metal surfaces that are to be bonded must have an average surface roughness within the range of about 0.1 microinches Ra to about 5 microinches Ra, with a maximum surface roughness not to exceed about 30 microinches Ra, prior to diffusion bonding. Typically, the metal surfaces to be bonded have a surface roughness within the range of about 0.5 microinches Ra to about 5 microinches Ra. We have found that diffusion bonding works quite well when the metal surfaces have a surface roughness within the range of about 1.5 microinches Ra to about 3.0 microinches Ra.--